ABSTRACT OF THE DISCLOSURE

To provide an electro-optical device capable of testing whether a sufficient amount of data has been written in precharged data lines, with a simple structure and a high degree of precision, a test switch for red STR is connected between a test line for red TLR and a data line for red DLR. A test switch for green STG is connected between a test line for green TLG and a data line for green DLG. A test switch for blue STB is connected between a test line for blue TLB and a data line for blue DLB. When the test switches STR, STG, and STB are switched on based on control signals SGx1 to SGx3, voltages of the data lines DLR, DLG, and DLB based on data voltages VRdata, VGdata, and VBdata supplied to the data lines DLR, DLG, and DLB are respectively output to the test lines for red, green, and blue TLR, TLG, and TLB as detection signals Vmr, Vmg, and Vmb.